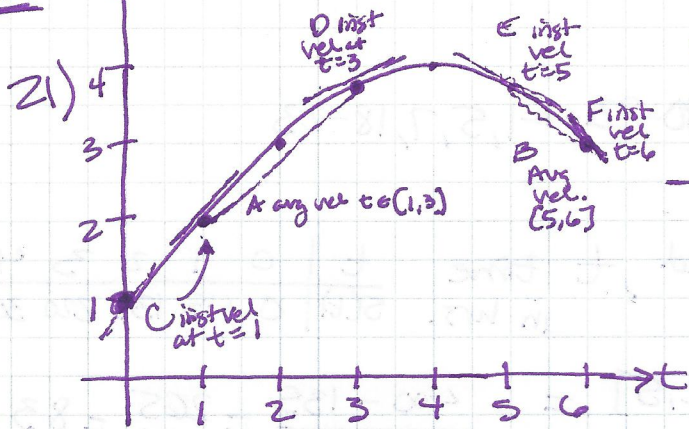


Day 27 #21-22-23



Smallest ← → Largest

F, B, E, D, A, C

2)

t (sec)	0	0.2	0.4	0.6	0.8	1.0
$s(t)$ (ft)	0	0.5	1.8	3.8	6.5	9.6

AVG vel $t \in [0, 0.2]$ $\frac{s(0.2) - s(0)}{0.2 - 0} = \frac{0.5 - 0}{0.2 - 0} = 2.5 \frac{\text{ft}}{\text{sec}}$

INST vel at $t = 0.2$
use surrounding points

$\frac{s(0.4) - s(0)}{0.4 - 0} = \frac{1.8}{.4} = \frac{9}{2} = 4.5 \frac{\text{ft}}{\text{sec}}$

23) Particle $s(t)$ = distance from a point.

Possible graph for $s(t)$ if AVG VEL on $[2,6] =$ INST VEL at $t=5$

